

REMARKS/ARGUMENTS

The Office Action mailed January 24, 2007 has been carefully considered.

Reconsideration in view of the following remarks is respectfully requested.

Claims 1 – 66 are pending in the application. Claims 1 - 66 have been amended. Support for the amendments is found in the specification drawings, and claims as Currently amendedly filed. Applicants respectfully submit therefore that the amendments do not add new matter.

With this amendment it is respectfully submitted the claims satisfy the statutory requirements.

35 U.S.C. § 102 Rejection

Claims 1-5, 15, 16, 25-28, 31-40, 43-46, 57 and 58 were rejected under 35 U.S.C. § 102(b) as being allegedly anticipated by Takato et al.¹ This rejection is respectfully traversed. Applicants respectfully submit that the claims, as amended, are not anticipated by Takato. Claim 1, for example includes the following limitations.

An electronic circuit for receiving a differential mode signal on a first pair of conductors and transmitting a signal on a second pair of conductors, the circuit comprising:

a first steering circuit responsive to the differential mode signal on the first pair of conductors and configured to generate a first electrical signal on one of the second pair of conductors; and

a second steering circuit responsive to the differential mode signal on the first pair of conductors and configured to generate a second electrical signal on the other of the second pair of conductors,

the first and second electrical signal together constituting a loop back of the differential mode signal and wherein the first steering circuit and the second steering circuit are respectively combined to generate the first electrical signal and the second electrical signal using a signal level power of the received differential mode signal.

(Amended claim 1) (Emphasis added)

Applicants respectfully submit that Takato does not include the limitation of the electrical signals being generated by the signal level power of the differential signal. As disclosed in the summary and throughout the specification, Takato discloses the following.

The present invention includes a battery feed circuit, an over current limiting circuit, a hybrid circuit for converting 2- to 4-wire line and vice versa and a supervision circuit. Most portions of these circuits can be produced in a monolithic IC.

The invention concerns a subscriber line interface circuit having a battery feed circuit for supplying DC current to a two-wire subscriber line having first and second terminals. The subscriber line interface circuit comprises: first and second current feed mirror circuits, respectively connected to the first and second terminals; a pair of voltage to current converting means, respectively connected to the first and second terminals; first and second mirror circuits operatively connected to the first and second terminals, respectively; a capacitor operatively connected between output terminals of the first and second mirror circuits; first and second resistors, each having a first end operatively connected to the capacitor and to the second and first mirror circuits, respectively; and third and fourth mirror circuits having input terminals operatively connected to second ends of the first and second resistors, and having output terminals operatively connected to input terminals of the second and first current feed mirror circuits, respectively.

(Takato, Summary, col. 2, line 58 – col. 3, line 14).

Thus, as claimed, and in contrast to Takato, embodiments of the present invention do not require a local power supply. For these reasons applicants respectfully submit that claim 1, as amended is not anticipated nor rendered obvious by Takato.

Given that all of the present claims include the limitation as discussed above, applicants respectfully submit that claims 2 – 66 are likewise not anticipated or rendered obvious by Takato.

In view of the foregoing, it is respectfully asserted that the claims are now in condition for allowance.

¹ U.S. Patent No. 4,827,505

Conclusion

It is believed that this Amendment places the above-identified patent application into condition for allowance. Early favorable consideration of this Amendment is earnestly solicited.


If, in the opinion of the Examiner, an interview would expedite the prosecution of this application, the Examiner is invited to call the undersigned attorney at the number indicated below.

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. Please charge any additional required fee or credit any overpayment not otherwise paid or credited to our deposit account No. 50-1698.

Respectfully submitted,

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